

Technical Features

TABLE

Table surface

1.070 x 510 mm

T slots

5 x 18 x 100 mm

Max. weight on the table

700 kg

Table to floor height

835 mm

TRAVERSES

Longitudinal traverse (X)

1.030 mm

Cross traverse (Y)

530 mm

Vertical traverse (Z)

540 mm

HEAD

Main spindle power (S1/S6)

11 / 15,5 kW

Spindle taper

BT 40

Speed range

8.000 rpm

Transmission

Polea-correa / Polea-katea / Belt-pulley / Poulie-courroie / Riemenscheibe

Distance from spindle to table (min./max.)

135 ÷ 675 mm

Distance from spindle to column

625 mm

TRANSLATION

System

Guía lineal bolas / Bola motako gida lineala / Ball-type linear guideway / Glissière linéaire à billes / Linear-kugelführung

N° of guideways (X-Y-Z)

2 - 3 - 2

Runner blocks (X-Y-Z)

4 - 5 - 6

Ø ballscrews

40 x 10 mm

Rapid feedrates (X-Y-Z)

30 m/min

AUTOMATIC TOOL CHANGER

Selection system

Random / Ausazkoa / Arm type / À bras / Doppelgreifer

N° of tools (BT 40)

30

Tool replacement time

2,5 s

Max. diameter with adjacent tools (BT 40)

76 mm

Max. diameter with alternate tools (BT 40)

150 mm

Max. tool length (BT 40)

300 mm

Max. tool weight (BT 40)

8 kg

ACCURACY

Positioning

± 0,005 mm

Repeatability

± 0,003 mm

OPTIONAL EQUIPMENT

Speed range

10.000, 12.000, 15.000 rpm

GENERAL INFORMATION

Floor spare required

2.875 x 2.200 mm

Machine height

2.900 mm

Machine net weight

6.200 kg

Total power installed (FAGOR/HEIDENHAIN/FANUC)

32/27/21 kW

Standard and optional equipment

- Standard
- Optional
 - Electronic portable handwheel
 - Spindle oil cooler
 - Pressurization of the bearings of the main spindle
 - Coolant around the spindle -C.A.S.- (just ARM type automatic tool changer)
 - Safety brake for the Z axis
 - Direct connections to the ballscrews
 - Ball type linear guideways
 - Measuring system by means of rotary encoders on all three axes X, Y, Z
 - Mechanical counter balance
 - Air blast to clean the spindle taper while tool changes
 - Air blast for workpiece cleaning
 - Telescopic covers on 3 axes
 - Rigid tapping
 - Air gun
 - Coolant gun
 - RS-232C and Ethernet communication port
 - Automatic centralized lubrication system

Pump for cleaning of the enclosure

Electrical cabinet with cooling system

Electrical cabinet with air conditioning

2 low voltage machine lamps

Working status lamp

ISO 40 milling arbors



Direct-drive spindle 12.000/15.000 rpm



Electro-spindle

Coolant through the spindle (20/40 bar)



Chain type chip conveyor



Tool setter



Electronic probe for adjustment, measurement and verification of piece



Electronic dividing head for 4th and/or 4th and 5th axes